

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An information processing system, comprising:
 - means for producing a unitary computer image of a plurality of touch points with computer generated prompts guiding a player to virtually touch a computer predetermined plurality of said touch points in a predetermined order;
 - means for accepting input of a video image of the player picked up by image pickup means;
 - display control means for superimposing the video image and the computer image on one another and causing a display device to display a superimposed image;
 - means for analyzing the video image during display of the computer image and detecting a virtual touch to any of the plurality of touch points; and
 - means for executing predetermined processing when the detecting means detects that the virtual touches have been made to the predetermined number of touch points in accordance with the computer predetermined order, and
 - object displaying means for displaying, when the detecting means detects the virtual touches that are made sequentially to the predetermined number of touch points in accordance with the computer predetermined order, an object that connects the touch points sequentially subjected to the virtual touches.

2. (Original) The information processing system according to claim 1, wherein the detecting means detects the virtual touch when an object having a specific color and worn by the player within the video image overlaps any one of the plurality of touch points within the computer image.

3. (Previously Presented) The information processing system according to claim 1, wherein:

the image producing means sequentially produces predetermined computer images including predetermined navigation information indicating a predetermined one touch point to be touched next; and

the means for executing predetermined processing executes the predetermined processing only when the detecting means detects that the virtual touches have been made for the respective predetermined computer images including the predetermined navigation information that is sequentially produced.

4. (Previously Presented) The information processing system according to claim 1, wherein:

the image producing means sequentially produces predetermined computer images each indicating two predetermined touch points to be touched next; and

the means for executing predetermined processing executes the predetermined processing only when the detecting means detects that the virtual touches have been made simultaneously on the predetermined two touch points for the respective computer images including the

predetermined navigation information that is sequentially produced.

5. (Previously Presented) The information processing system according to claim 1, wherein:

the image producing means produce the predetermined computer image including predetermined navigation information indicating the predetermined order of touches to be made to the touch points; and

the means for executing predetermined processing executes the predetermined processing only when the detecting means detects that the virtual touches have been made according to the predetermined navigation.

6. (Currently Amended) An entertainment system, comprising;

means for producing a unitary computer image including a plurality of areas;

means for accepting input of a video image picked up by image pickup means;

display control means for superimposing the video image and the computer image on one another and causing a display device to display a superimposed image; and

means for analyzing the video image by referring to the computer image, wherein:

the image producing means selects one area of the plurality of areas in a computer predetermined order, and in a computer predetermined sequence sequentially produces a unitary image with a plurality of areas which provides computer prompts guiding the input in a predetermined manner and is obtained by displaying the selected area in a manner visually different from others;

the analyzing means analyzes the video image when each of the plurality of images, that the computer generates to prompt the video image input in accordance with the computer predetermined manner, is displayed, and detects that an area of the video image, corresponding to the pre-selected area displayed in the manner visually different from others, includes a predetermined image; and

a predetermined function is executed when production of the image that prompts the input, and the detection that the corresponding area includes the predetermined image, are performed a predetermined number of times, wherein

as the detection that the corresponding area includes the predetermined image occurs the predetermined number of times, an object connecting the area of the video image, corresponding to the pre-selected area displayed in the manner visually different from others, is displayed on the display device.

7. (Currently Amended) An information processing system input accepting method, comprising:

producing a unitary computer image of a plurality of touch points with computer generated prompts guiding a player to virtually touch a computer predetermined plurality of said touch points in a predetermined order;

accepting input of a video image of the player picked up by image pickup means;

analyzing the video image while superimposing the video image and the computer image on one another and causing a display device to display a superimposed image, and sequentially detecting virtual touches to any of the plurality of touch points; ~~and~~

accepting the virtual touches as predetermined input when the predetermined number of touch points are touched in accordance with the computer predetermined order by the virtual touches; and

as the plurality of touch points are touched, generating an object connecting the current touch point to the previous touch point according to the computer predetermined order.

8. (Currently Amended) A recording medium on which a computer program for accepting input is recorded, the computer program causing a computer to execute processing of:

producing a unitary computer image of a plurality of touch points with computer generated prompts guiding a player to virtually touch a computer predetermined plurality of said touch points in a predetermined order;

accepting an input of a video image of the player picked up by image pickup means;

analyzing the video image while superimposing the video image and the computer image on one another and causing a display device to display a superimposed image, and sequentially detecting virtual touches to any of the plurality of touch points; and

accepting the virtual touches as predetermined input when the predetermined number of touch points are touched in accordance with the computer predetermined order by the virtual touches, and

as the plurality of touch points are touched, generating an object connecting the current touch point to the previous touch point according to the computer predetermined order.

9. (Previously Presented) An information processing system, comprising;

means for producing a unitary computer image of a plurality of touch points with computer generated prompts guiding a player to virtually touch a computer predetermined plurality of said touch points in a predetermined order;

means for accepting an input of a video image of the player picked up by image pickup means;

display control means for superimposing the video image and the computer image on one another and causing a display device to display a superimposed image;

means for analyzing the video image during display of the computer image and detecting virtual touches to any of the plurality of touch points; and

object displaying means for displaying, when the detecting means detects the virtual touches that are made sequentially to the predetermined number of touch points in accordance with the computer predetermined order, an object that connects the touch points sequentially subjected to the virtual touches.

10. (Original) The information processing system according to claim 9, wherein when a virtual touch is made to any one of the touch points, the object displaying means displays the object that connects to another touch point previously subjected to the virtual touch.

11. (Previously Presented) The information processing system according to claim 9, wherein when the virtual touches are made to the predetermined number of touch points in the predetermined order, the object displaying means displays the object that connects the touch points sequentially subjected to the virtual touches.

12. (Original) The information processing system according to claim 9, wherein the object that connects the touch points comprises a line imitating light.

13. (Currently Amended) A recording medium on which a computer program for accepting an input is recorded, the computer program causing a computer to function as:

means for producing a unitary computer image of a plurality of touch points with computer generated prompts guiding a player to a predetermined plurality of said touch points to be virtually touched in a predetermined order;

means for accepting input of a video image of the player picked up by image pickup means;

display control means for superimposing the video image and the computer image on one another and causing a display device to display a superimposed image;

means for analyzing the video image during display of the computer image and detecting virtual touches to any of the plurality of touch points; and

object displaying means for displaying, when the detecting means detects the virtual touches that are made sequentially on the predetermined plurality of touch points, an object that connects the touch points sequentially subjected to the virtual touches in accordance with ~~the computer~~ the computer predetermined order.

14. (Previously Presented) An input interface controlling method for an information processor having a computer image producing part, an image input part, a superimposed image producing part, and a determining part, the method comprising the steps of:

producing, by the computer image producing part, a unitary computer image of a plurality of touch points with computer generated prompts guiding a player to a predetermined plurality of such touch points to be virtually touched in a computer predetermined order;

accepting, by the image input part, an input of a video image of the player picked up by image pickup means;

superimposing, by the superimposed image producing part, the video image and the computer image on one another and causing a display device to display a superimposed image;

analyzing, by the determining part, the video image during display of the computer image and detecting virtual touches to any of the plurality of touch points; and

displaying, by the computer image producing part, when the virtual touches are detected to have been made sequentially on the predetermined plurality of touch points, an object that connects the touch points sequentially subjected to the virtual touches in accordance with the predetermined order.

15. (New) An information processing system, comprising:

means for producing a unitary computer image of a plurality of touch points;

means for accepting input of a video image of the player picked up by image pickup

means;

display control means for superimposing the video image and the computer image on one another and causing a display device to display a superimposed image;

means for analyzing the video image during display of the computer image and detecting a virtual touch to any of the plurality of touch points; and

means for highlighting the detected virtual touch point, wherein the highlighting of the detected virtual touch point is gradually faded over a predetermined period of time.